

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121625\
 Data File : VX048900.D
 Acq On : 16 Dec 2025 20:13
 Operator : JC/MD
 Sample : Q3776-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20251203RE

Quant Time: Dec 17 03:29:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 17 03:22:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.538	168	128283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	222478	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	196046	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	81284	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	91118	42.493	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	84.980%
35) Dibromofluoromethane	5.373	113	70964	42.914	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	85.820%
50) Toluene-d8	8.635	98	252928	42.842	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	85.680%#
62) 4-Bromofluorobenzene	11.061	95	85870	40.513	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	81.020%#

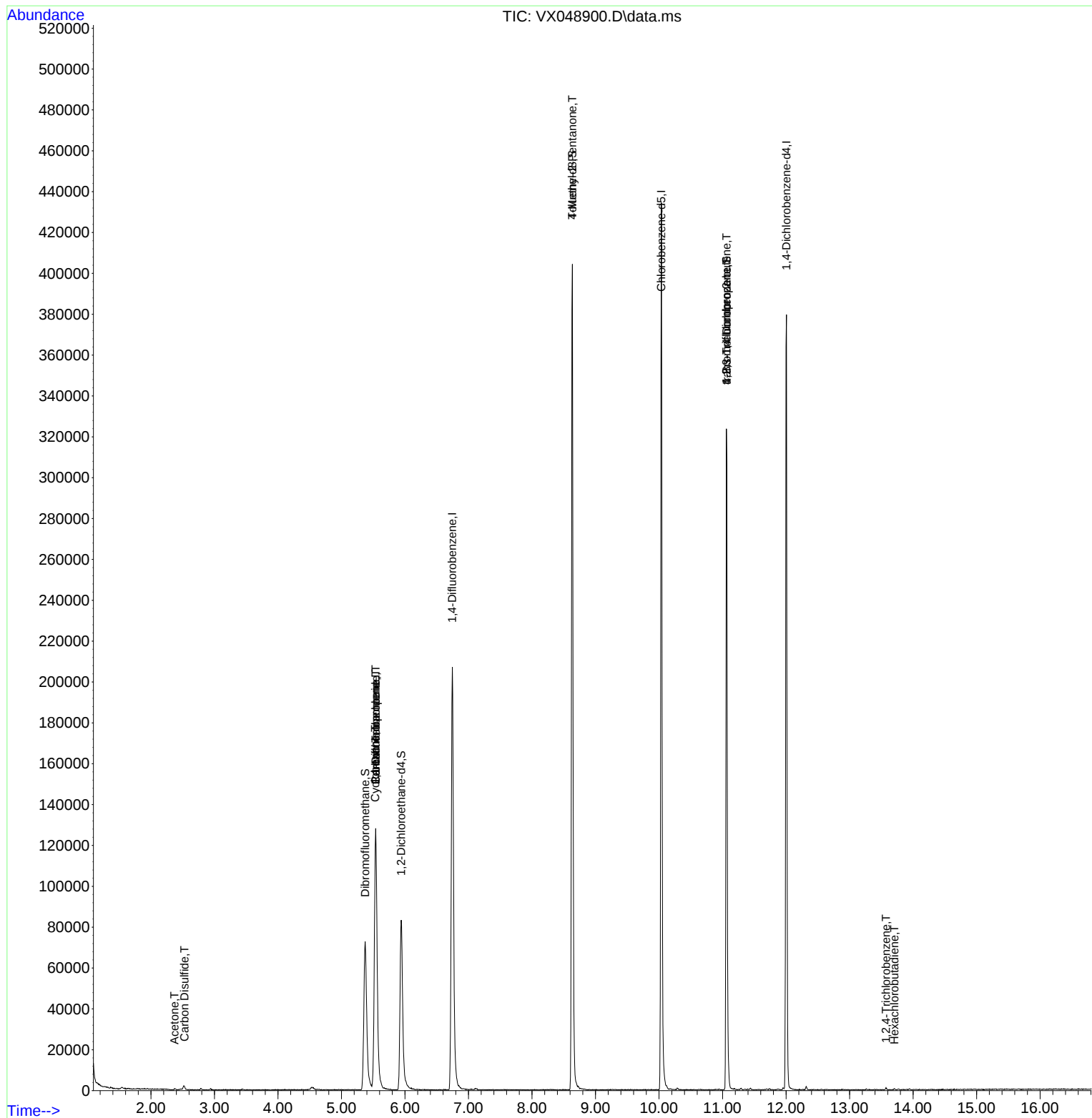
Target Compounds					Qvalue	
16) Acetone	2.367	43	775	1.716	ug/l	# 85
17) Carbon Disulfide	2.526	76	1706	0.422	ug/l	# 91
31) Cyclohexane	5.531	56	2812	1.167	ug/l	# 36
36) 1,1-Dichloropropene	5.538	75	10766	5.188	ug/l	# 48
38) Carbon Tetrachloride	5.538	117	13684	5.532	ug/l	# 13
51) 4-Methyl-2-Pentanone	8.635	43	1186	0.645	ug/l	# 1
76) 1,2,3-Trichloropropane	11.061	75	47742	36.529	ug/l	# 30
81) trans-1,4-Dichloro-2-b...	11.061	75	47742	92.776	ug/l	# 3
93) 1,2,4-Trichlorobenzene	13.573	180	362	0.239	ug/l	# 75
94) Hexachlorobutadiene	13.707	225	136	0.208	ug/l	# 85

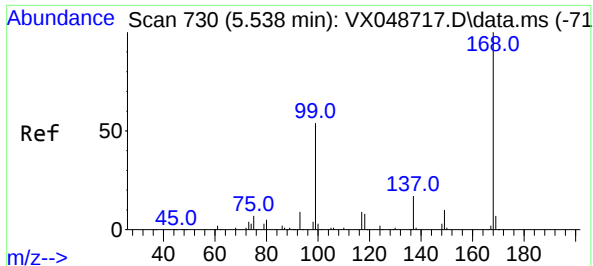
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 17 03:22:16 2025
Response via : Initial Calibration

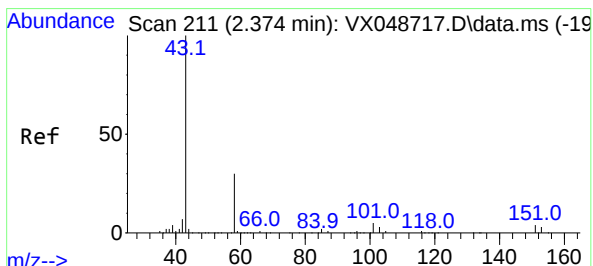
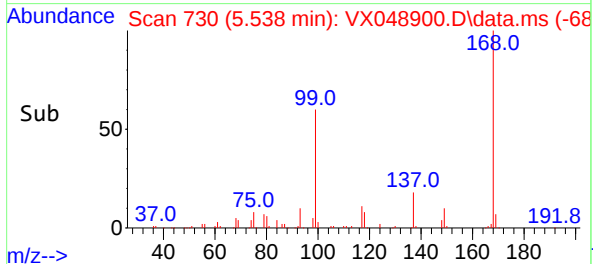
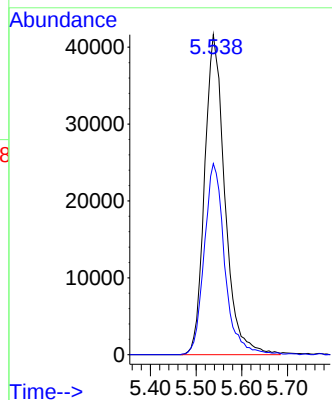
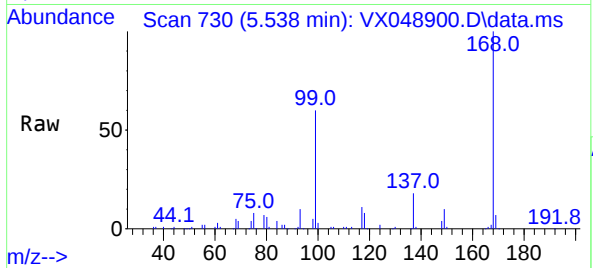




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048900.D
Acq: 16 Dec 2025 20:13

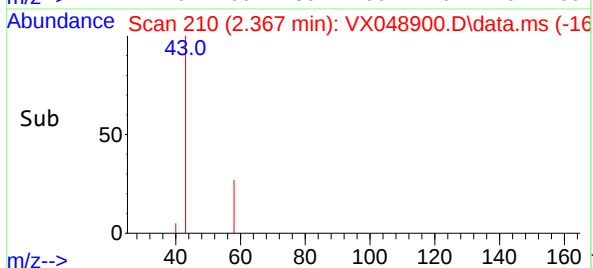
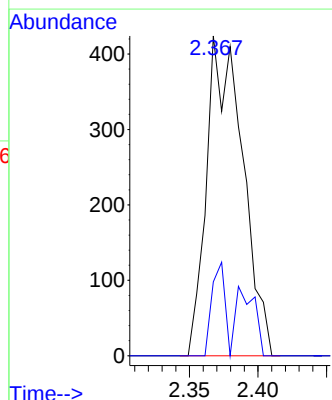
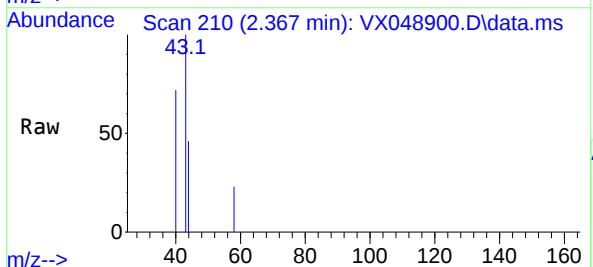
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MSVOA_X
ClientSampleId :
TB-20251203RE

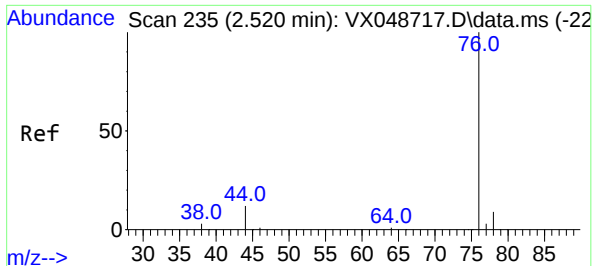
Tgt Ion:168 Resp: 128283
Ion Ratio Lower Upper
168 100
99 59.7 44.2 66.4



#16
Acetone
Concen: 1.716 ug/l
RT: 2.367 min Scan# 210
Delta R.T. -0.006 min
Lab File: VX048900.D
Acq: 16 Dec 2025 20:13

Tgt Ion: 43 Resp: 775
Ion Ratio Lower Upper
43 100
58 23.1 25.0 37.4#

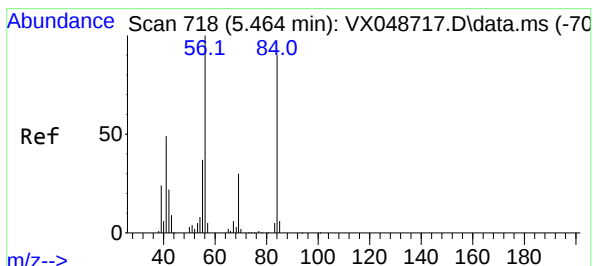
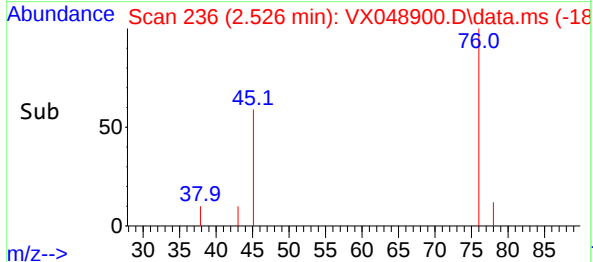
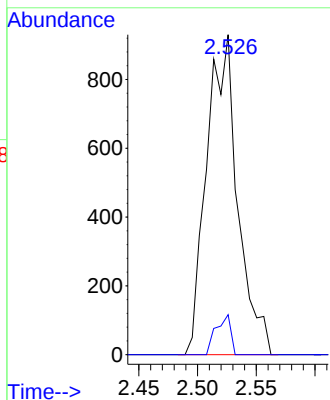
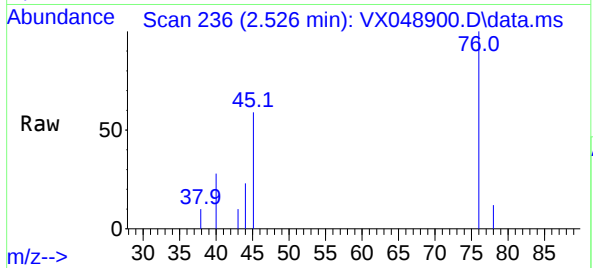




#17
Carbon Disulfide
Concen: 0.422 ug/l
RT: 2.526 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048900.D
Acq: 16 Dec 2025 20:13

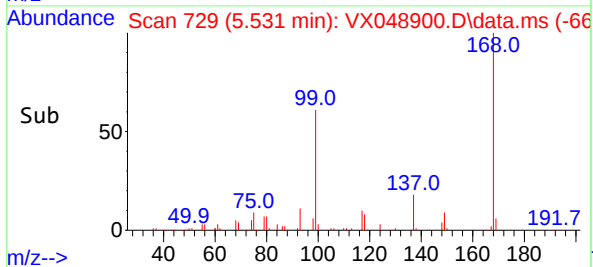
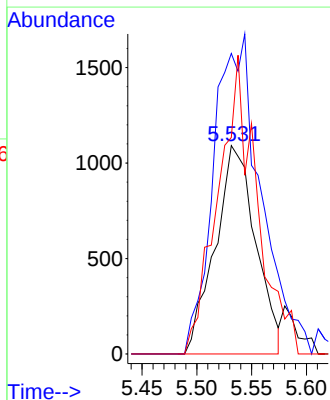
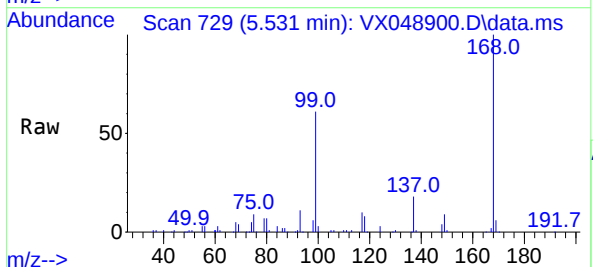
Instrument :
MSVOA_X
ClientSampleId :
TB-20251203RE

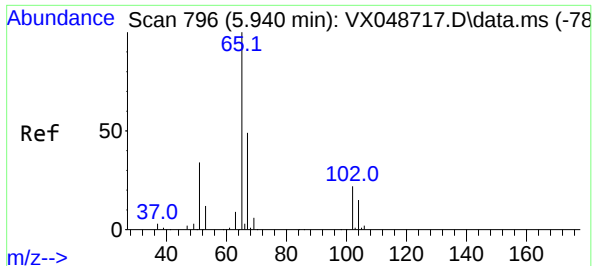
Tgt Ion: 76 Resp: 1706
Ion Ratio Lower Upper
76 100
78 12.5 7.4 11.2#



#31
Cyclohexane
Concen: 1.167 ug/l
RT: 5.531 min Scan# 729
Delta R.T. 0.073 min
Lab File: VX048900.D
Acq: 16 Dec 2025 20:13

Tgt Ion: 56 Resp: 2812
Ion Ratio Lower Upper
56 100
69 144.3 24.2 36.2#
84 103.9 72.1 108.1

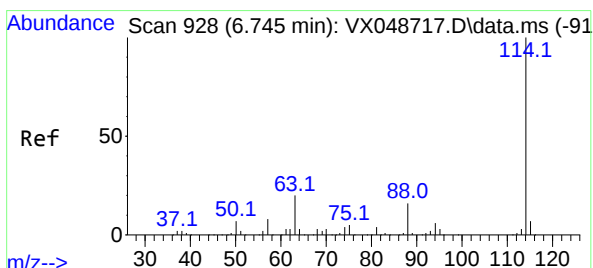
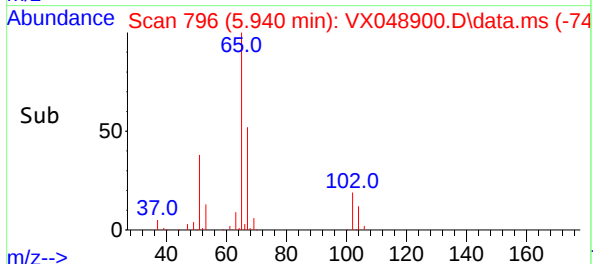
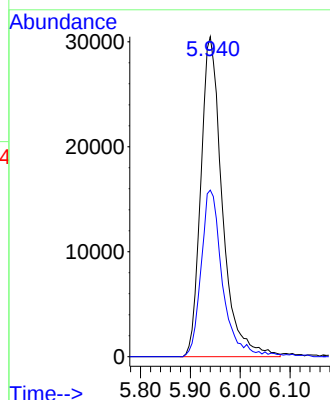
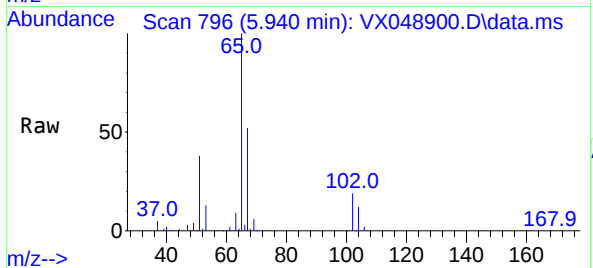




#33
1,2-Dichloroethane-d4
Concen: 42.493 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048900.D
Acq: 16 Dec 2025 20:13

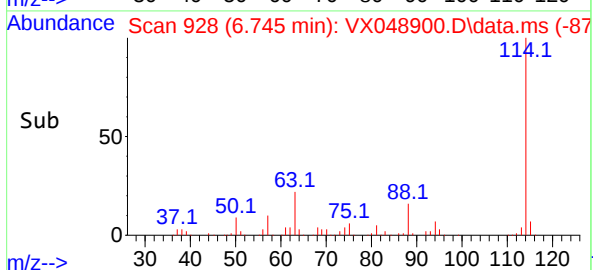
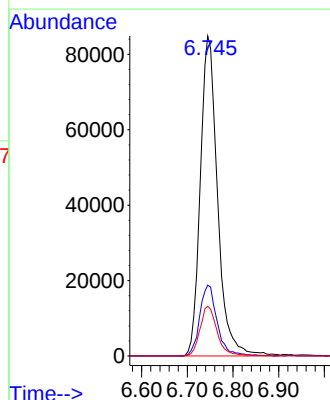
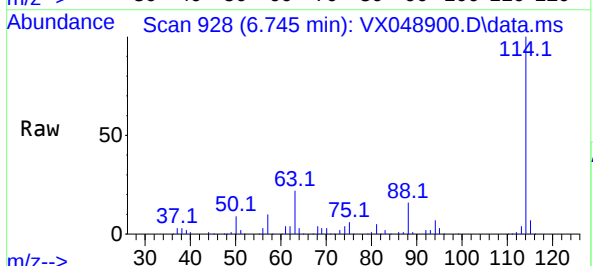
Instrument :
MSVOA_X
ClientSampleId :
TB-20251203RE

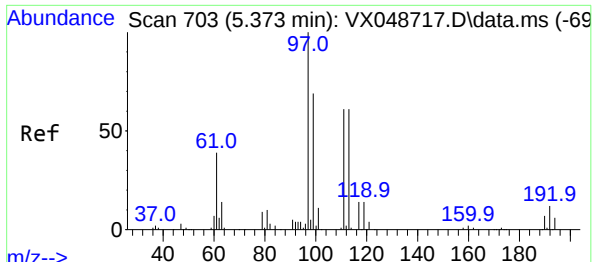
Tgt Ion: 65 Resp: 91118
Ion Ratio Lower Upper
65 100
67 52.0 0.0 107.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048900.D
Acq: 16 Dec 2025 20:13

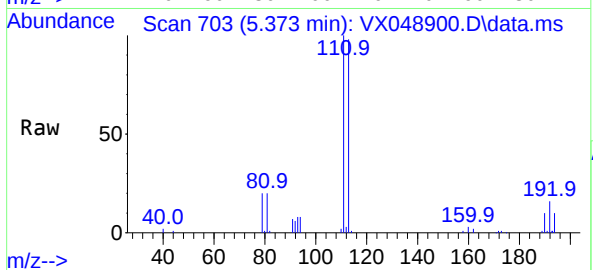
Tgt Ion: 114 Resp: 222478
Ion Ratio Lower Upper
114 100
63 22.1 0.0 39.0
88 15.5 0.0 31.8



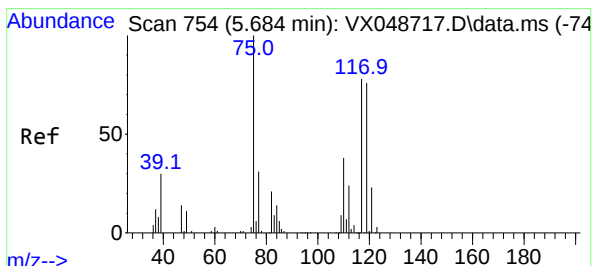
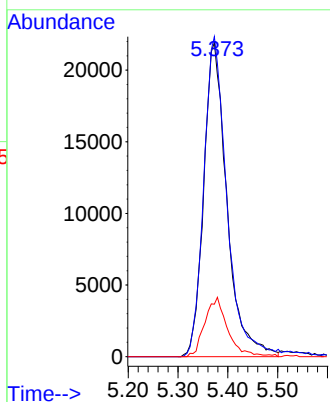
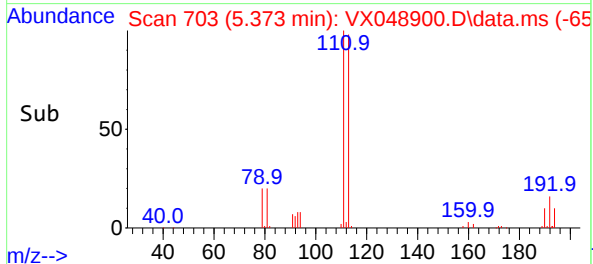


#35
Dibromofluoromethane
Concen: 42.914 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX048900.D
Acq: 16 Dec 2025 20:13

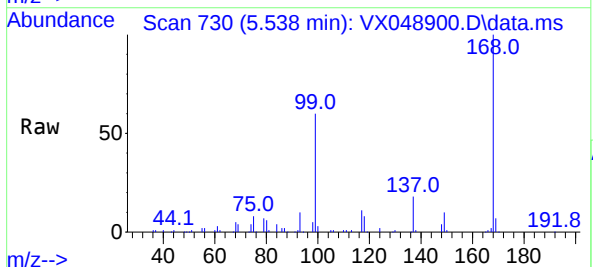
Instrument :
MSVOA_X
ClientSampleId :
TB-20251203RE



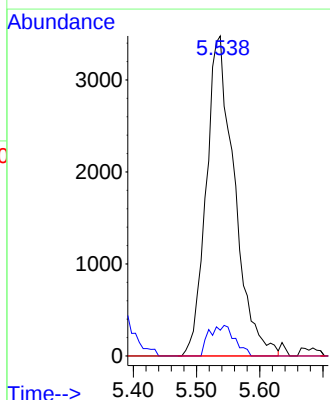
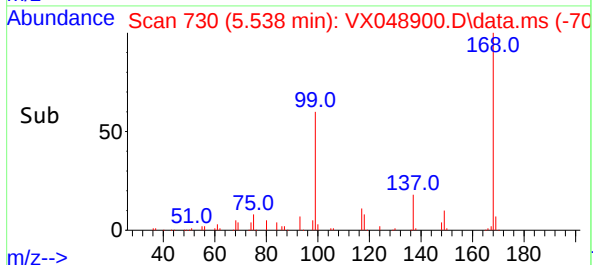
Tgt Ion:113 Resp: 70964
Ion Ratio Lower Upper
113 100
111 102.0 79.5 119.3
192 18.5 16.1 24.1

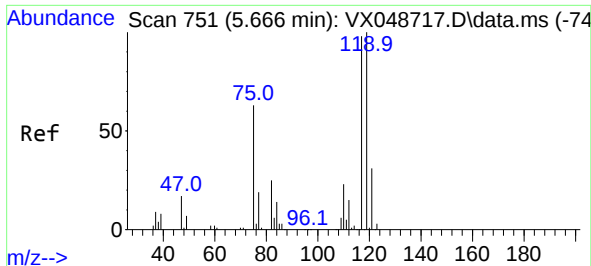


#36
1,1-Dichloropropene
Concen: 5.188 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX048900.D
Acq: 16 Dec 2025 20:13



Tgt Ion: 75 Resp: 10766
Ion Ratio Lower Upper
75 100
110 8.7 18.6 55.8#
77 0.0 25.3 37.9#

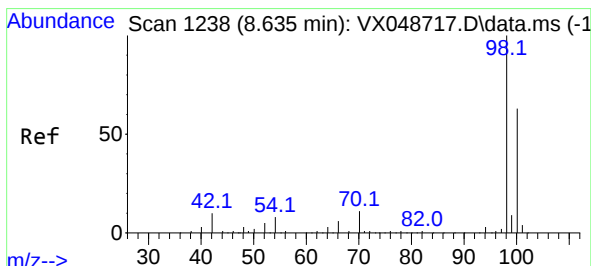
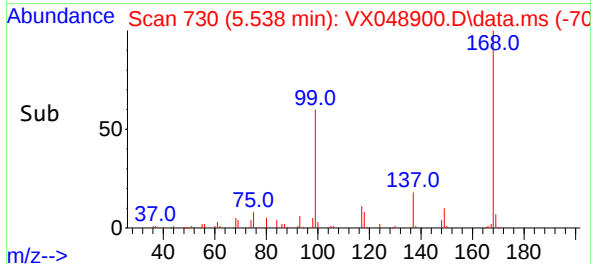
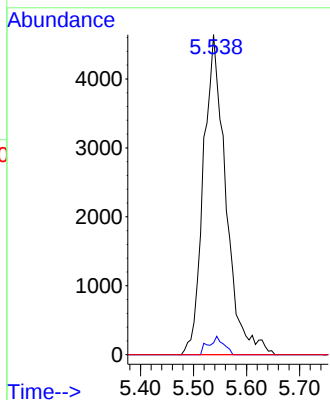
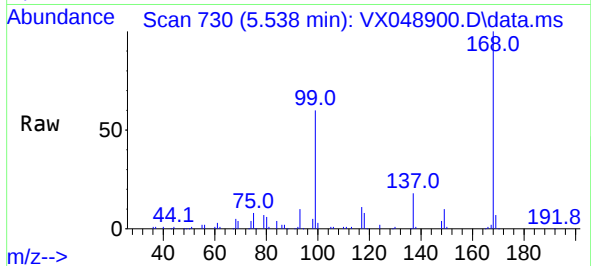




#38
Carbon Tetrachloride
Concen: 5.532 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048900.D
Acq: 16 Dec 2025 20:13

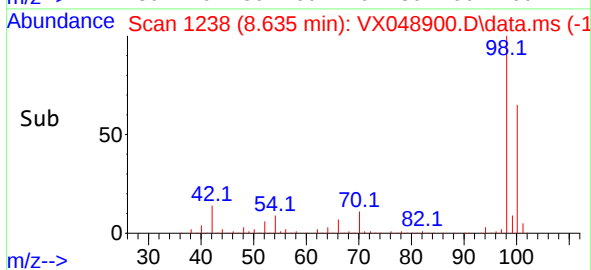
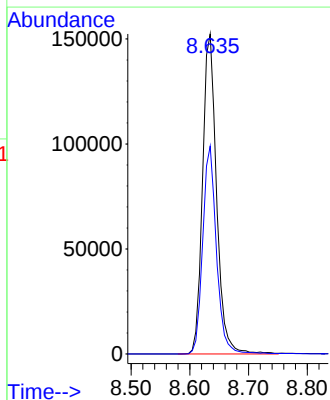
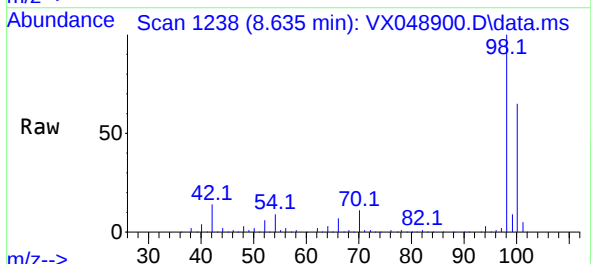
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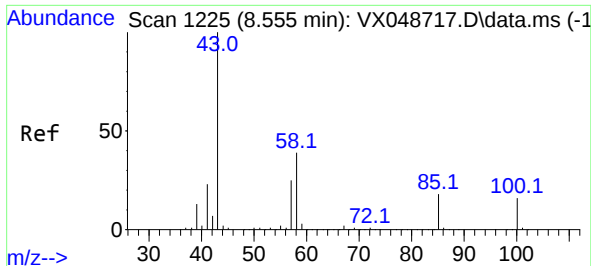
Tgt Ion:117 Resp: 13684
Ion Ratio Lower Upper
117 100
119 3.7 80.5 120.7#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 42.842 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048900.D
Acq: 16 Dec 2025 20:13

Tgt Ion: 98 Resp: 252928
Ion Ratio Lower Upper
98 100
100 63.7 53.4 80.0

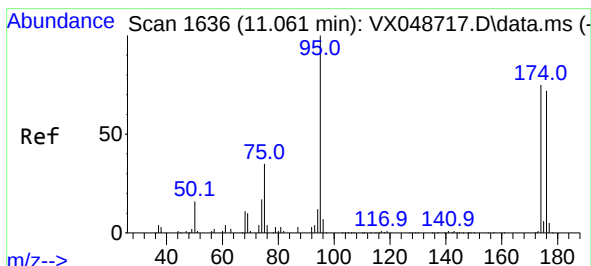
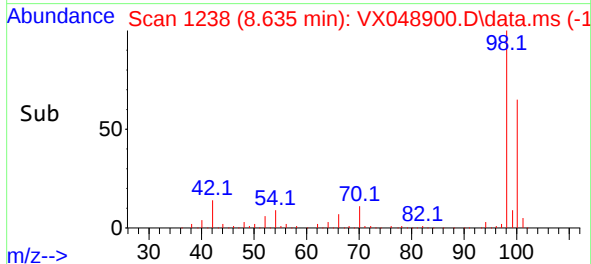
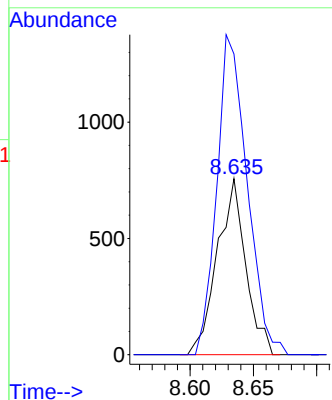
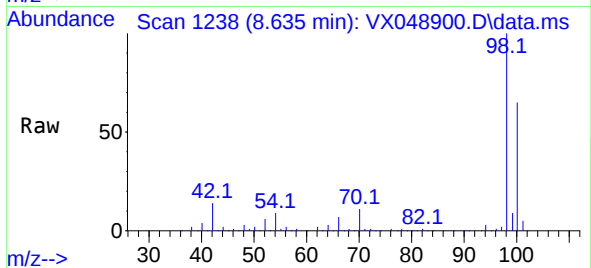




#51
4-Methyl-2-Pentanone
Concen: 0.645 ug/l
RT: 8.635 min Scan# 1186
Delta R.T. 0.079 min
Lab File: VX048900.D
Acq: 16 Dec 2025 20:13

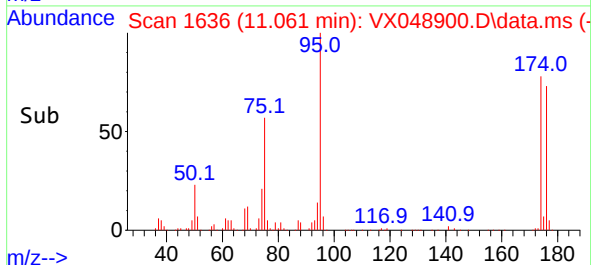
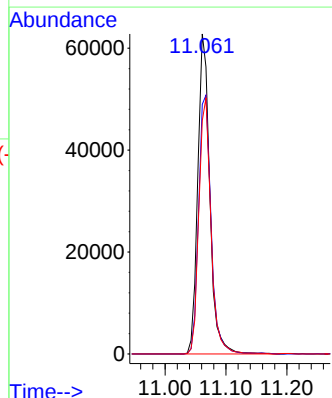
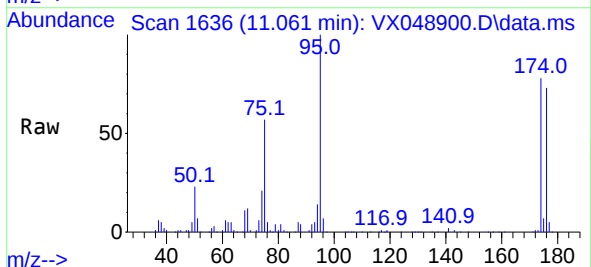
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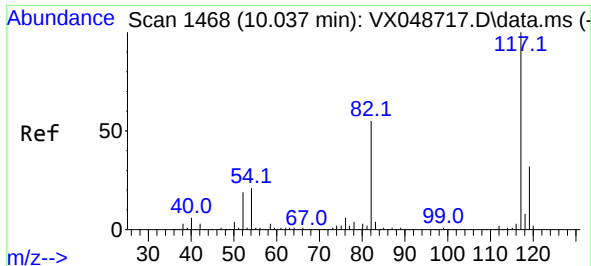
Tgt Ion: 43 Resp: 1186
Ion Ratio Lower Upper
43 100
58 193.5 32.2 48.4#



#62
4-Bromofluorobenzene
Concen: 40.513 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048900.D
Acq: 16 Dec 2025 20:13

Tgt Ion: 95 Resp: 85870
Ion Ratio Lower Upper
95 100
174 84.3 0.0 157.8
176 80.7 0.0 154.0

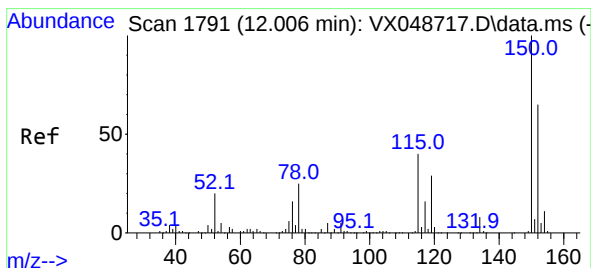
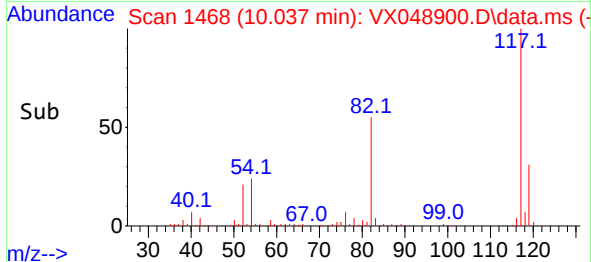
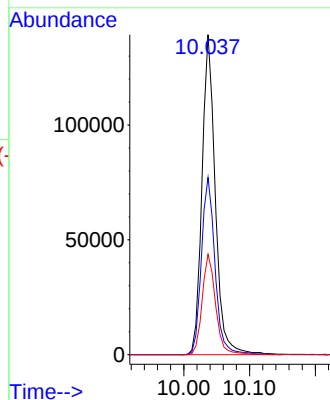
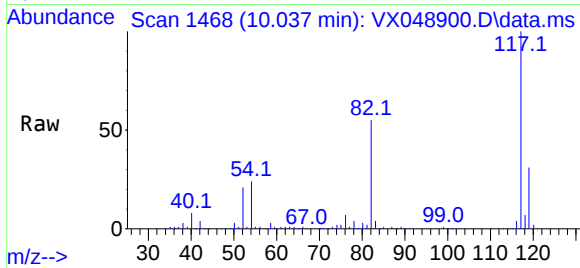




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048900.D
Acq: 16 Dec 2025 20:13

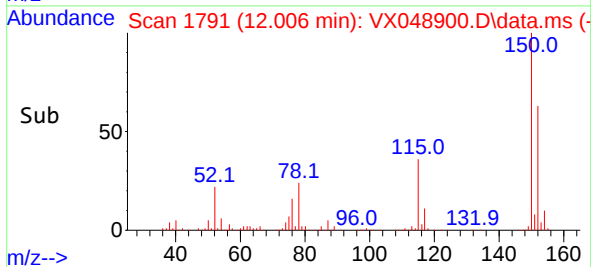
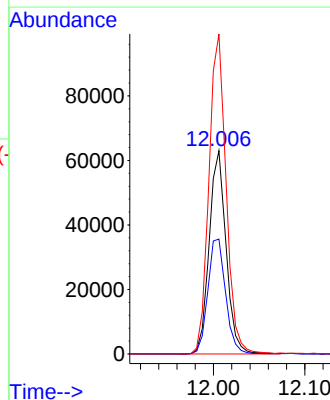
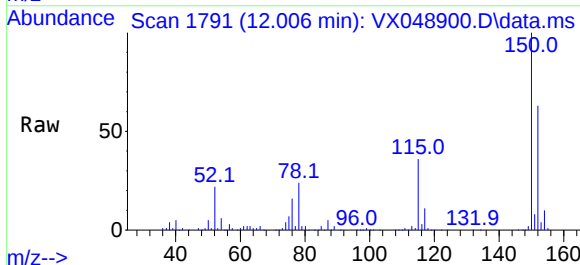
Instrument :
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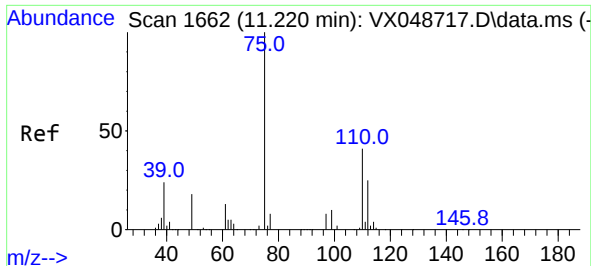
Tgt Ion:117 Resp: 196046
Ion Ratio Lower Upper
117 100
82 55.3 44.1 66.1
119 31.3 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.006 min
Lab File: VX048900.D
Acq: 16 Dec 2025 20:13

Tgt Ion:152 Resp: 81284
Ion Ratio Lower Upper
152 100
115 59.5 42.1 126.4
150 160.0 0.0 347.8

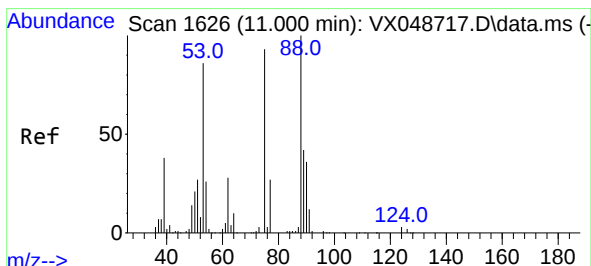
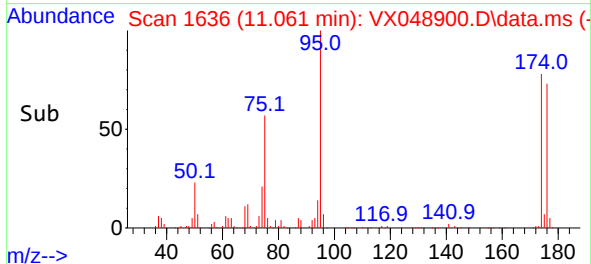
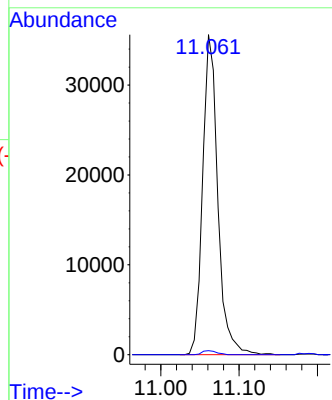
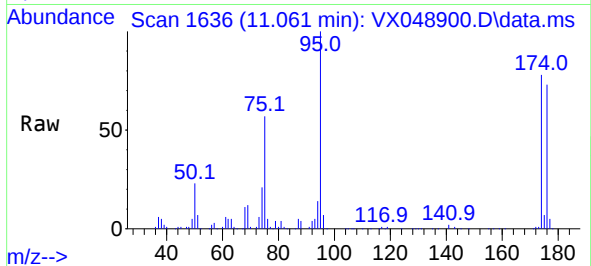




#76
1,2,3-Trichloropropane
Concen: 36.529 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048900.D
Acq: 16 Dec 2025 20:13

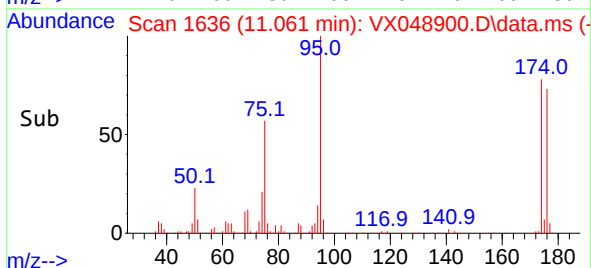
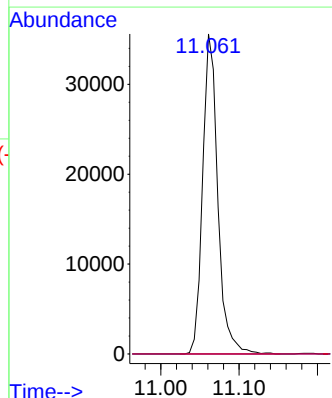
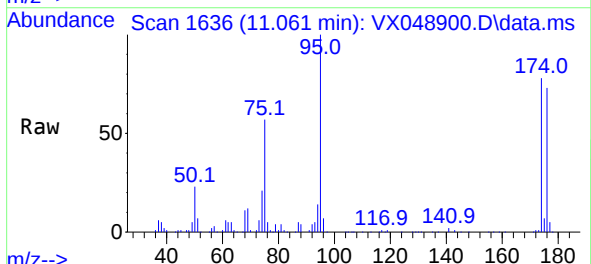
Instrument :
MSVOA_X
ClientSampleId :
TB-20251203RE

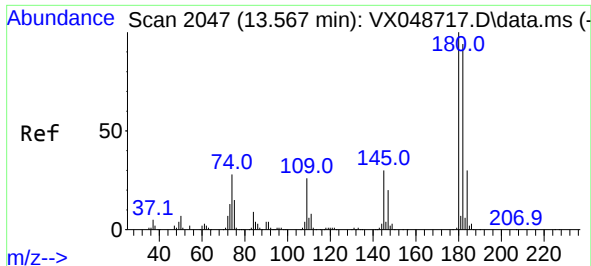
Tgt Ion: 75 Resp: 47742
Ion Ratio Lower Upper
75 100
77 1.2 24.3 73.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.776 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048900.D
Acq: 16 Dec 2025 20:13

Tgt Ion: 75 Resp: 47742
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.0 67.1 100.7#

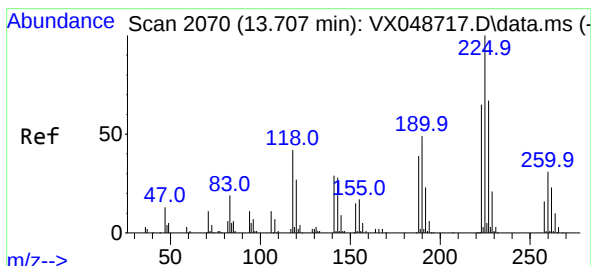
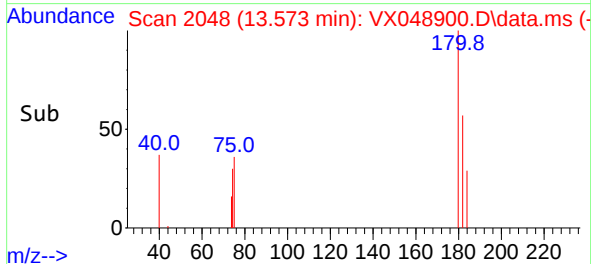
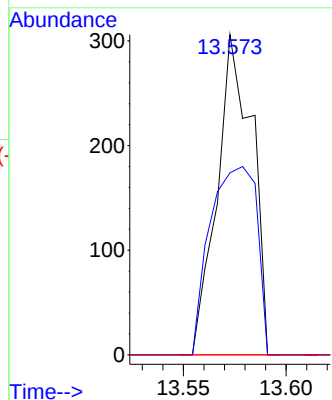
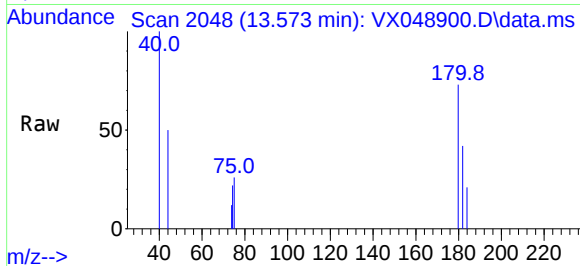




#93
1,2,4-Trichlorobenzene
Concen: 0.239 ug/l
RT: 13.573 min Scan# 2047
Delta R.T. 0.006 min
Lab File: VX048900.D
Acq: 16 Dec 2025 20:13

Instrument :
MSVOA_X
ClientSampleId :
TB-20251203RE

Tgt Ion:180 Resp: 362
Ion Ratio Lower Upper
180 100
182 78.7 46.9 140.8
145 0.0 15.1 45.3#



#94
Hexachlorobutadiene
Concen: 0.208 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048900.D
Acq: 16 Dec 2025 20:13

Tgt Ion:225 Resp: 136
Ion Ratio Lower Upper
225 100
223 89.0 33.0 98.9
227 66.9 32.9 98.7

